



U.S. Department of Energy's  
***Office of Science***

**Taking ISM to the Next Level**

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# Science:

## Taking ISM to the Next Level

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- THE CURRENT STATUS
- THE FUTURE STATE

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### THE CURRENT STATUS

#### In General :

- The Line (Feds & Labs) Own Safety (Mainstreaming)
- Scientists Value ISM Framework
- Sets of Controls are Tailored to Work/Hazards
- Self-Assessment & Operational Awareness are Valued
- Labs & Feds are Teaming for Success

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### THE CURRENT STATUS – A Case Study at Battelle – Contracted Science Labs

- Standards Based Management System
  - Work Process Oriented
  - Mainstreaming System
  - Electronically Deployed
  - Building Block for Functional Sub-Systems

# Case Study Continued

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Example of SBMS – Brookhaven  
System Component

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### THE CURRENT STATUS – A Case Study at Battelle – Contracted Science Labs

- Pacific Northwest National Lab
  - Integrated Management Model
    - Battelle's Standards-Based Management System (SBMS)
  - Results of ISM
    - Voluntary Protection Program (VPP) Star Status
    - Cost Savings



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### THE CURRENT STATUS – A Case Study at Battelle – Contracted Science Labs

- Brookhaven National Laboratory
  - Environmental Management System Certification
  - Brookhaven Executive Roundtable (Elected Officials and Regulators Involvement)
  - Brookhaven Community Advisory Board (Stakeholders Involvement)

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### THE CURRENT STATUS – A Case Study at Battelle – Contracted Science Labs

- Oak Ridge National Laboratory
  - Consolidation of 33 Certified ISM Elements into one Lab-wide System in FY02
  - Planned ISO 14001 Certification in FY03



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### THE FUTURE STATE

- External Validation of Management Systems
- Training Program for Graduate Students/Post Docs on ISM Principles and Functions
- Leading Indicators of Systems Performance
- Culture with Insatiable Pull for Information and Push of Knowledge across DOE
- Be a Recognized Benchmark for Safety Performance & Communications